
Integrated Computing Engine

Interceptor Version 1.0

User Manual

Interceptor

Contents

- 1.0 Software Setup**
 - 1.1 Software Installation**
 - 1.2 Regional and Language Settings**
- 2.0 Project**
 - 2.1 Starting Interceptor**
 - 2.2 Create a New Project**
 - 2.3 Load a Project**
 - 2.4 Save a Project**
- 3.0 Data Logging**
 - 3.1 Logging Interval Time Setting**
 - 3.2 Start Data Logging**
 - 3.3 Stop Data Logging**
- 4.0 Function & Settings**
 - 4.1 Unit Conversion**
 - 4.2 Communication Settings**
 - 4.3 Switching between Split Type**
 - 4.4 Extracting Project Data**
- 5.0 Graph Function**
 - 5.1 Graph Viewing**
 - 5.2 Load Saved Graph Data**
 - 5.3 Exporting Graph to Image File**
- 6.0 Contact Us**

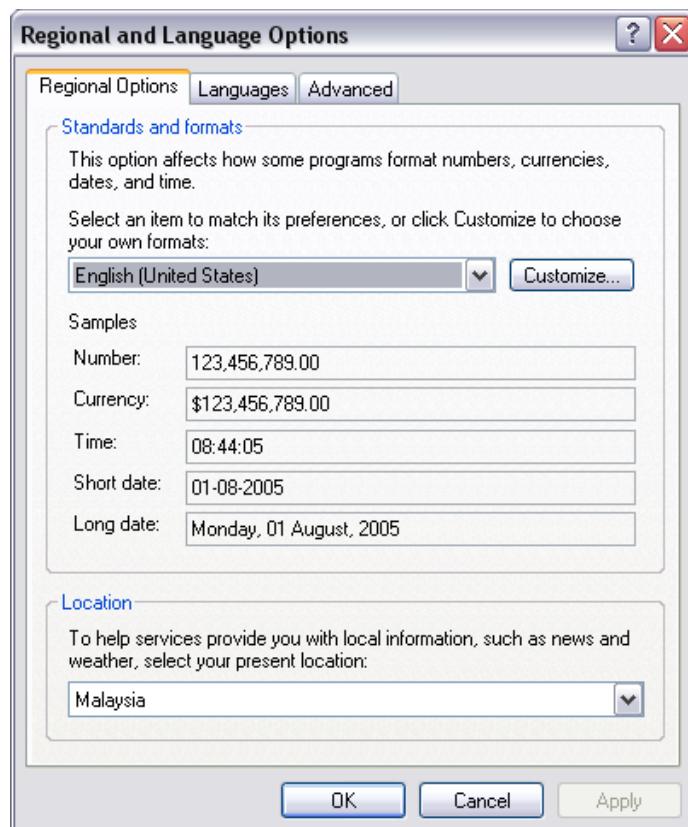
1.0 Software Setup

1.1 Software Installation

- Double click the Setup icon,  which comes together in the installation CD provided.
- Setup process will run automatically.
- Please follow the instructions to complete setup.

1.2 Regional and Language Settings

- Please click at the [Start] menu,  and double click at  Control Panel icon to go to the main page of Control Panel.
- Double click [Regional and Language Options] icons, .
- A window like below will appear.



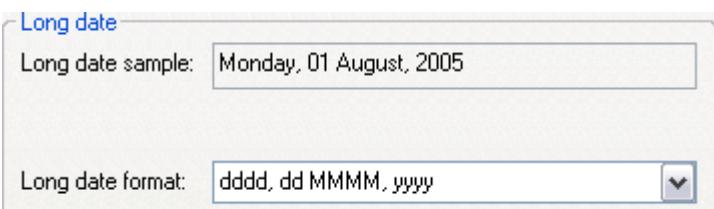
- Please make sure the language selected is English (United States).
- Please click on [Customize] button,  **Customize...**.
- Please select on [Date] Tab on the newly appear window as shown below.



- In the Short date section, please change the [short date format] to 'dd-MM-yyyy' as shown below.



- In the long date section, please change the [long date format] to 'dddd, dd MMMM, yyyy' as shown below.

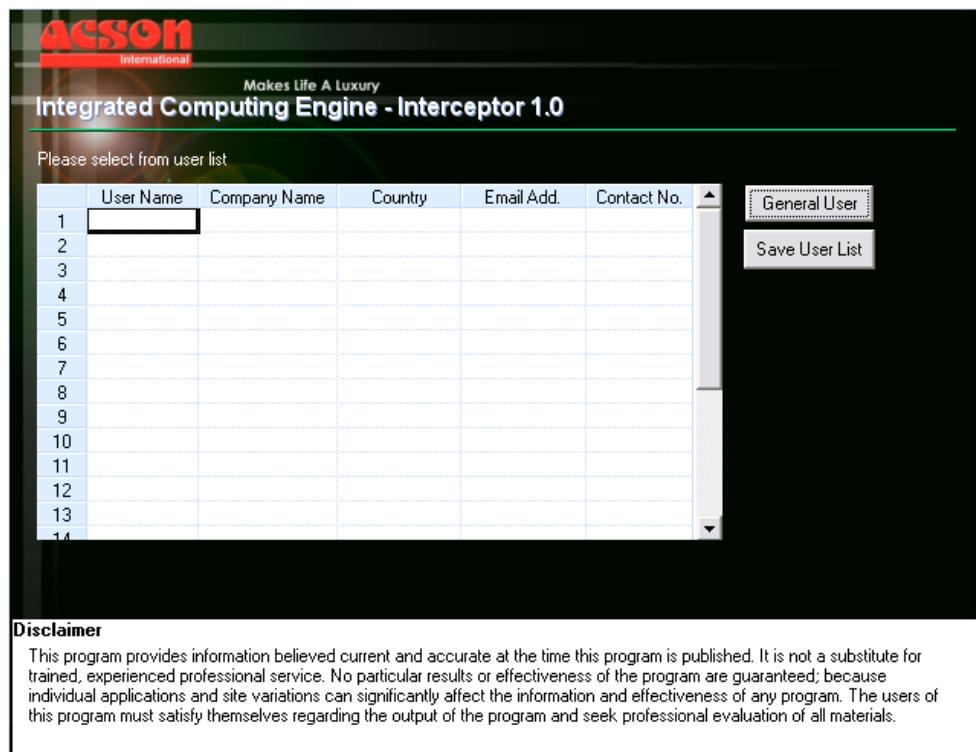


- User may just key-in the values as shown if it is not available in the selection.
- Please click [OK] to set the English (United States) options.
- Please click [OK] again to close and apply the new Regional and Language Settings.

2.0 Project

2.1 Starting Interceptor

- Locate the shortcut icon for ICE,  in the [Start] Menu,  in [All Programs], **All Programs** .
- Click [Integrated Computing Engine (ICE) – Interceptor] menu shown in [All Programs] to start the program.
- Please login as [General User] from login screen by clicking at [General User] button.



- User may enter details by filling up the table and save the user list.
- Then, program will bring user to split type selection window, as in Figure 2.0.
- Please select either single split or multi split by clicking at the image and click [Next] button.
- User may click at [Back] button to switch type of user.

NOTE : This can only be changed at the beginning stage of software activation

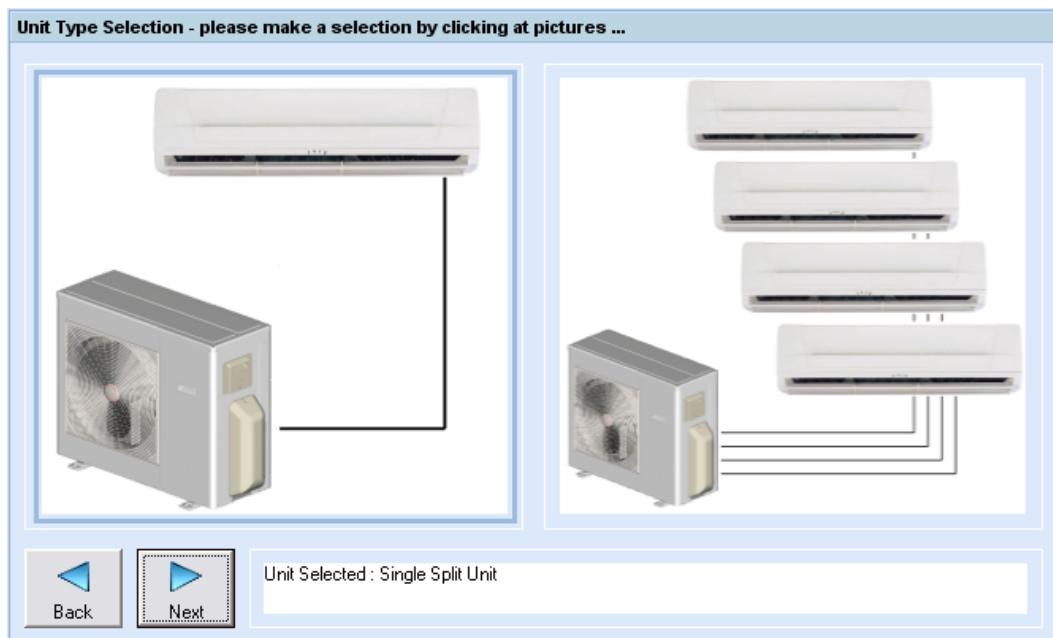


Figure 2.0 : Split Type Selection window.



- A new window previewing wiring connection of split type selected will be shown to user after split selection.
- User will have to check [Confirm] check box, [Confirm] before clicking at [Next] button to be allowed to proceed.
- [Confirm] is put in as safety measure to ensure that the wiring is correct before logging data.
- User may click [Back] button to change split type selected earlier.
- After wiring connection confirmation is completed, the main screen of Interceptor is shown as part of the image in Figure 2.1.

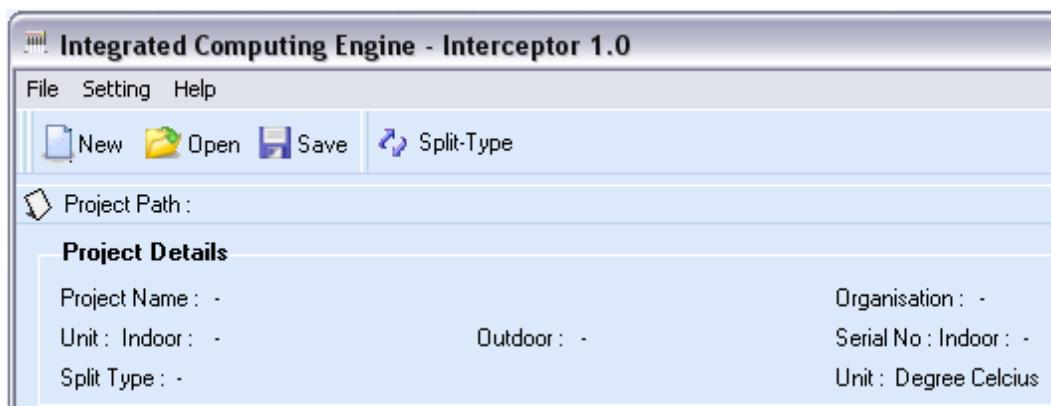
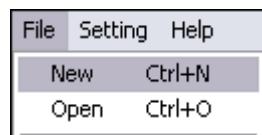


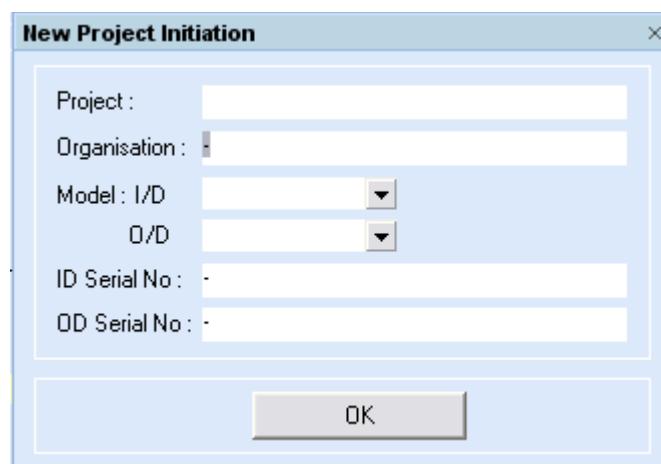
Figure 2.1 : Main interface of Interceptor

2.2 Create a New Project

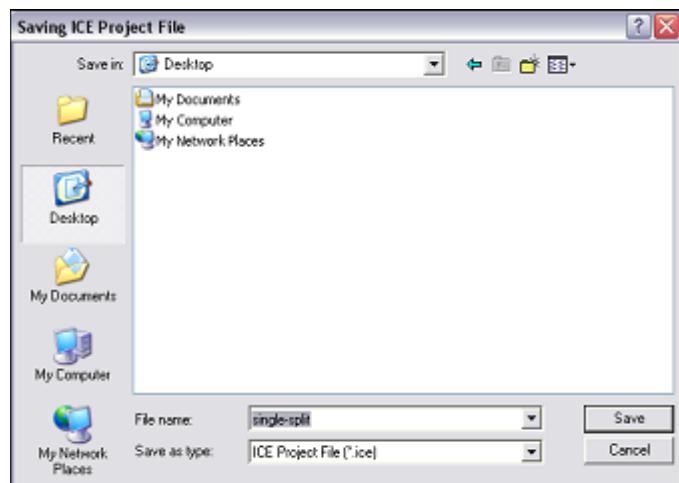
- There are 3 ways to create a new Interceptor project:
 - Click at [New] icon from the main screen
 - Click at [File] menu and select [New] from the menu



- Press [Ctrl + N] keys simultaneously from the keyboard
- A new window as shown below will appear.



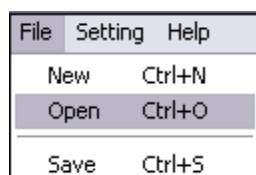
- User may enter applicable project details (Name, Organization, Indoor Model, Outdoor Model, Serial Number of Model) before clicking at [OK] button.
- If user wish to abort this function, user may click at the red [X] icon at the top right corner of the window or press the [ESC] key from the keyboard.
- A new window will pop-out as shown:



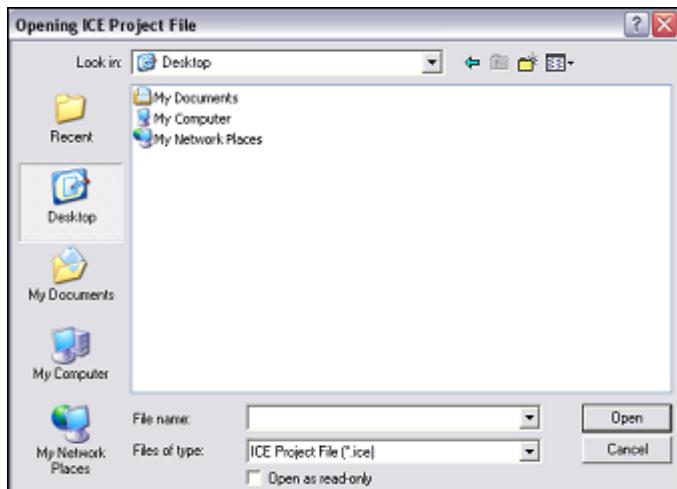
- User may browse / select desired location to save the project file.
- Please click [Save] button to save the new project or click [Cancel] to abort the function.

2.3 Load a Project

- An ICE project has to be loaded / opened in order to use logging function.
- There are 3 ways to load an ICE project:
 - Click at [Open] icon from the main screen
 - Click at [File] menu and select [Open] from the menu



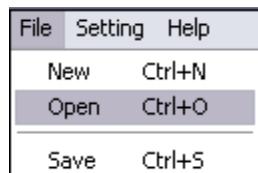
- Press [Ctrl + O] keys simultaneously from the keyboard
- A new window as shown below will appear.



- Please choose a saved ICE project (a *.ice file) and click [Open] button.
- ICE program will load the project selected by user.
- User may click [Cancel] button to abort the open project function.

2.4 Save a Project

- An ICE project has to be loaded / opened in order to use this function.
- There are 3 ways to save an ICE project:
 - Click at [Save] icon from the main screen
 - Click at [File] menu and select [Save] from the menu



- Press [Ctrl + S] keys simultaneously from the keyboard
- If the project has been successfully saved, ICE program will inform user as shown below:



3.0 Data Logging

Functions in this section can only be used / activated after an ICE project is opened / loaded.

3.1 Logging Interval Time Setting

- Interval time refers to lag time between rounds of ICE program taking data returned from data logger function.
- Modification of interval time is only allowed when the data logger program is not running.
- The default interval time is one (1) second.
- Please tick / check the check box with the name [Personalized Interval] as shown below to personalize / set desired interval time.



- Please change the value in the text box to user desired value (no limitation).
- Note : Increasing the time interval will reduce the number of data collected.
- User may save the settings using the function 2.4 (Save a Project).

3.2 Start Data Logging

- Please click at [Start Log] icon as shown below.



- The logging will start based on the default interval time or personalized interval time if [Personalized Interval] check box is ticked by user.
- The date and time of previous successful data that is returned by a data logger will be shown at [Last Log] location.
- The indicator next to [Last Log] will show the current status of data logger:

- [Green] – data logger has been activated and is active
- [Red] – data logger is stopped by user and is not active
- [Yellow] – no data return for five (5) continuous attempts of ICE effort to collect the data
- [No color] – there is no project loaded

3.3 Stop Data Logging

- Please click at [Stop Log] icon as shown below.



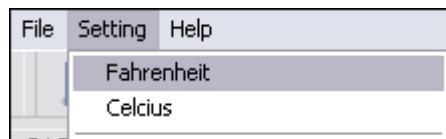
- After data logging is stopped, user can saved the project or change the settings if desired.

4.0 Function & Settings

Most of the functions in this section can be used / activated after an ICE project is opened / loaded and when data logger is not active.

4.1 Unit Conversion

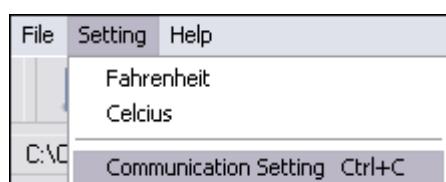
- Unit conversion can be changed if data logger is not active.
NOTE : changes of unit will reset the graph
- Please select the unit using [Setting] menu and click at the unit (Celcius or Fahrenheit) as shown below



- The unit will be changed according to user's selection.

4.2 Communication Settings

- Communication settings can be changed if data logger is not active.
- There are 2 ways to change the communication settings:
 - Please click at [Setting] menu and select [Communication Setting] from the menu



- Press [Ctrl + C] keys simultaneously from the keyboard
- A new window as shown below will appear
- Please select the appropriate values and click [OK] to update communication settings.



- If user wish to abort this function, user may click at the red [X] icon at the top right corner of the window or press the [ESC] key from the keyboard.

4.3 Switching between Split Type

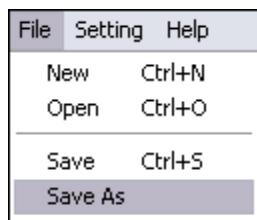
- Split type can be changed if data logger is not active.
- Please click at  icon from the main screen.
- A new window of Unit Selection that will appear.
- Please select either single split or multi split by clicking at the image and click [Next] button.



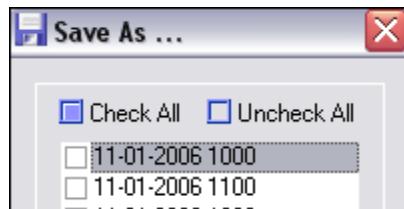
- A new window previewing wiring connection of split type selected will be shown to user after split selection.
- User will have to check [Confirm] check box, [Confirm] before clicking at [Next] button to be allowed to proceed.
- User may click [Back] button to change split type selected earlier.
- After confirming the connection, user will be taken back to the main screen of the software.

4.4 Extract Project Data

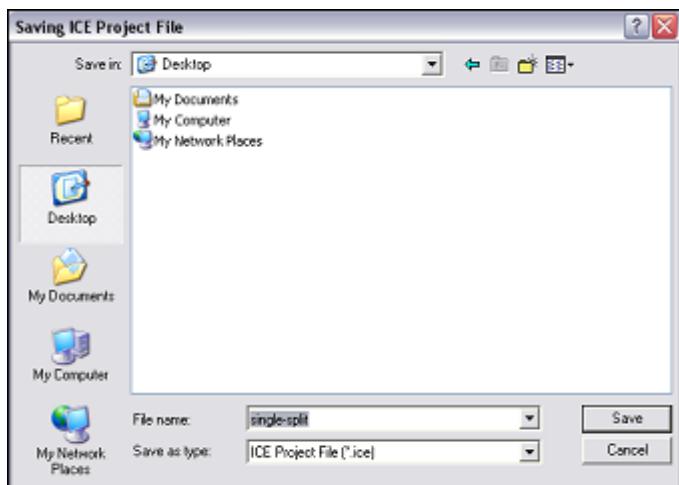
- This function can be activated if data logger is not active and an ICE project is loaded.
- Size of an ICE project file may reach up to a few MB if data logged of a few days are saved.
- This function enables user to extract selected data from all data and save as another file to be emailed or passed to another person who has this software.
- Please select [File] from the top menu and select [Save As] menu as shown below



- A new window will appear containing a list of all data available in the current loaded ICE project as shown:



- Please select which data to be included into ICE new project file and click [OK] button, below the new window.
- If user wish to abort this function, user may click at the red [X] icon at the top right corner of the window or press the [ESC] key from the keyboard.
- A new window will pop-out as shown:



- User may browse / select desired location to save the new project.
- Please click [Save] button to save the new project with the few selected data or click [Cancel] to abort the function.

5.0 Graph Function

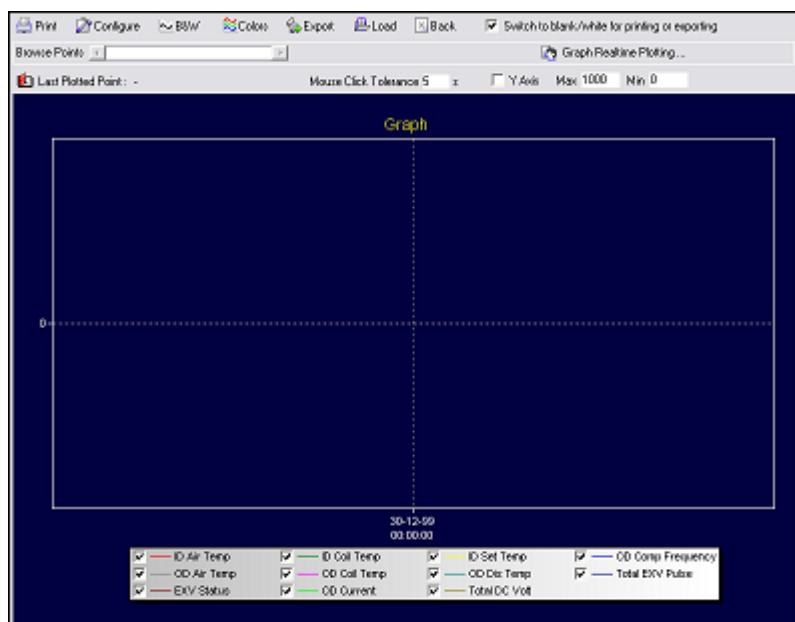
Functions in this section can only be used / activated after an ICE project is opened / loaded.

5.1 Graph Viewing

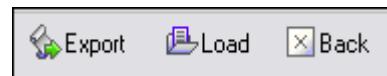
- Please click at [Graph] icon as shown below:



- Graph window will appear as shown below:



- The graph is updated if there is data returned from an active logging or if user load previously saved data when logging is deactivated.
- Please click at [Back] icon to exit Graph function to return to the main screen as shown below:

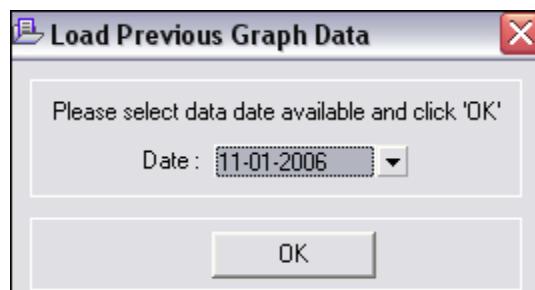


5.2 Load a Saved Graph Data

- This function can only be used when data logging is stopped.
- Please click at [Load] icon as shown below:



- A new window will appear for user to select the date as shown:

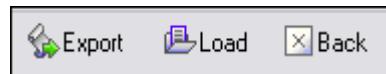


- Please select the date from the pull down menu and click [OK] for the program to load the graph.
- Please click at [Back] icon to exit Graph function to return to the main screen as shown below:

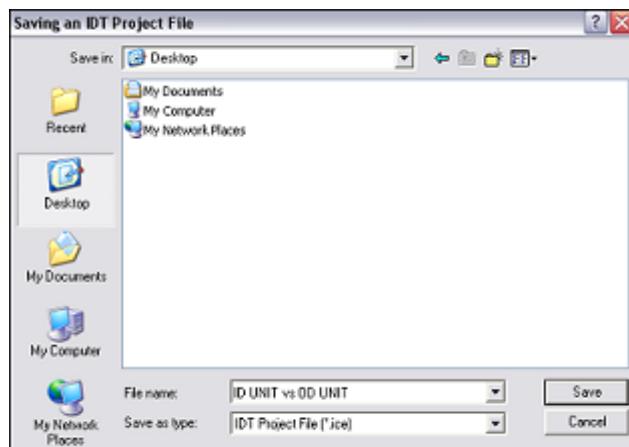


5.3 Export Graph to Image File

- Please click at [Export] icon as shown below:



- A new window will pop-out as shown:



- User may browse / select desired location to save the image file.
- User can also save as a Bitmap or a JPEG format of the image file.
- Please click [Save] button to export the current graph to an image file.
- Please click at [Back] icon to exit Graph window.

6.0 Contact Information

For help and support information, please login to E-Service.

<http://www.acson-international.com/>